Zonet®

ZEW2545

802.11n **Wireless** USB Adapter

USER MANUAL

Copyright Statement

Zonet is the registered trademark of Zonet Technology Inc. All the products and product names mentioned herein are the trademarks or registered trademarks of their respective holders. Copyright of the whole product as integration, including its accessories and software, belongs to Zonet Technology Inc. Without the permission of Zonet Technology Inc., any individual or party is not allowed to copy, plagiarize, imitate or translate it into other languages.

Table of Content

Chapter 1. Introduction.....2
1.1 Welcome.....2
1.2 Product Feature.....2
1.3 Content of Package.....2

Chapter 2. Installation.....3

Chapter 3. Configuration.....6
3.1 Station Mode.....6
3.1.1 Link Status.....7
3.1.2 Site Survey.....7
3.1.3 Profile.....8
3.1.3.1 Add/Edit Profile.....9
3.1.4 Statistics.....10
3.1.5 WPS Setting.....11

3.2 AP Mode.....12
3.2.1 Basic Setting.....12
3.2.2 Security Setting.....13
3.2.3 Access Control.....14
3.2.4 About.....14

Chapter 4. How to connect with PSP.....15
4.1 Configure PSP with Ad-Hoc mode.....15
4.2 Configure Xlink Kai.....17

Chapter 5. Product Specifications.....18

Chapter 1 Introduction

1.1 Welcome

Thank you for purchasing Zonet ZEW2545-802.11n wireless USB adapter. ZEW2545 connects you with IEEE802.11n(Draft 2.0) networks at receiving rate up to an incredible 150Mbps! By using the reflection signal, 802.11n's "Multiple In, Multiple Out" (MIMO) technology increases the range and reduces "dead spots" in the wireless coverage area.

Soft AP supported by ZEW2545 can help you establish wireless LAN networking with lowest cost. Besides, WPS (Wi-Fi Protected Setup) simplify the security setup and management of Wi-Fi networks. Supports WMM for Multimedia Applications with Quality of Service in Wi-Fi® Networks. Especially supporting PS3, PSP, Nintendo DS and Wii connections with Xlink Kai will be your best choice to enjoy on-line gaming.

1.2 Product Feature

- Complies with IEEE 802.11n (Draft 2.0), IEEE 802.11g and IEEE 802.11b standards
- Provides USB2.0 port
- Provides 150Mbps receiving rate and 150Mbps sending rate
- Supports 20MHz/40MHz frequency width
- Auto-detects and changes the network transmission rate
- Provides two work modes: Infrastructure and Ad-Hoc
- Supports Soft AP to establish your wireless LAN networking
- supports PS3, PSP, Wii and Nintendo DS connecting with Internet and Xlink Kai to enjoy on-line gaming
- Supports 64/128-bit WEP, WPA, WPA2 encryption methods and 802.1x security authentication standard
- WPS (Wi-Fi Protected Setup) simplify the security setup and management of Wi-Fi networks.
- Supports WMM for Multimedia Applications with Quality of Service in Wi-Fi® Networks

1.3 Contents of Package

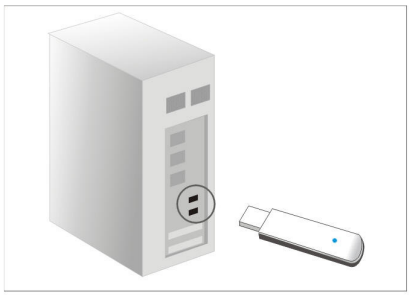
- One ZEW2545
- One Installation CD w/User Manual
- One Quick Installation Guide

Contact your local authorized reseller or the store purchased from for any items damaged and/or missing.

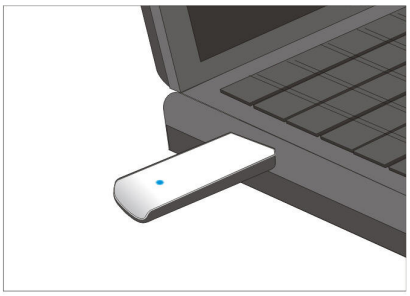
Chapter 2 Installation

NOTE: *Snap-shot screens of the following installation procedure are based on Windows XP. Installation procedures will be similar for other windows operating systems.*

1. Insert ZEW2545 into a USB slot of your computer.



Or

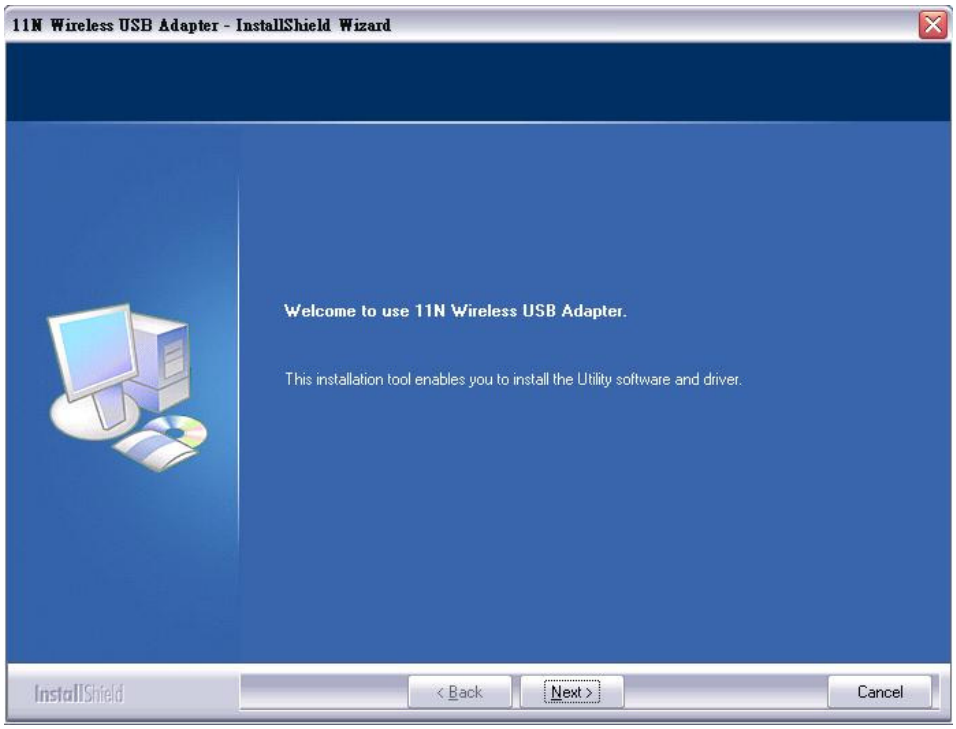


2. Select ***Cancel*** when "Found New Hardware" window appears.

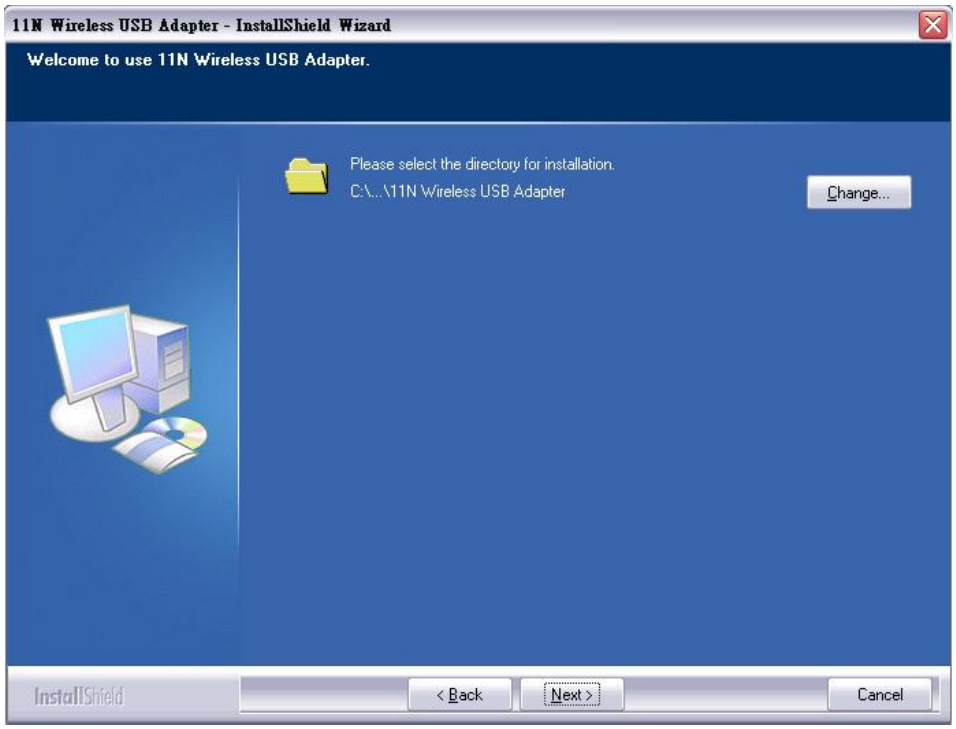
Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

3. Insert Installation CD to your CD-ROM drive. Browse CD and double-click **setup.exe** in Driver folder to execute it. The wizard will run and install all necessary files to your computer automatically.

4. Click ***Next*** to start installation.


11N Wireless USB Adapter - InstallShield Wizard
Welcome to use 11N Wireless USB Adapter.
This installation tool enables you to install the Utility software and driver.
InstallShield
< Back
Next >
Cancel

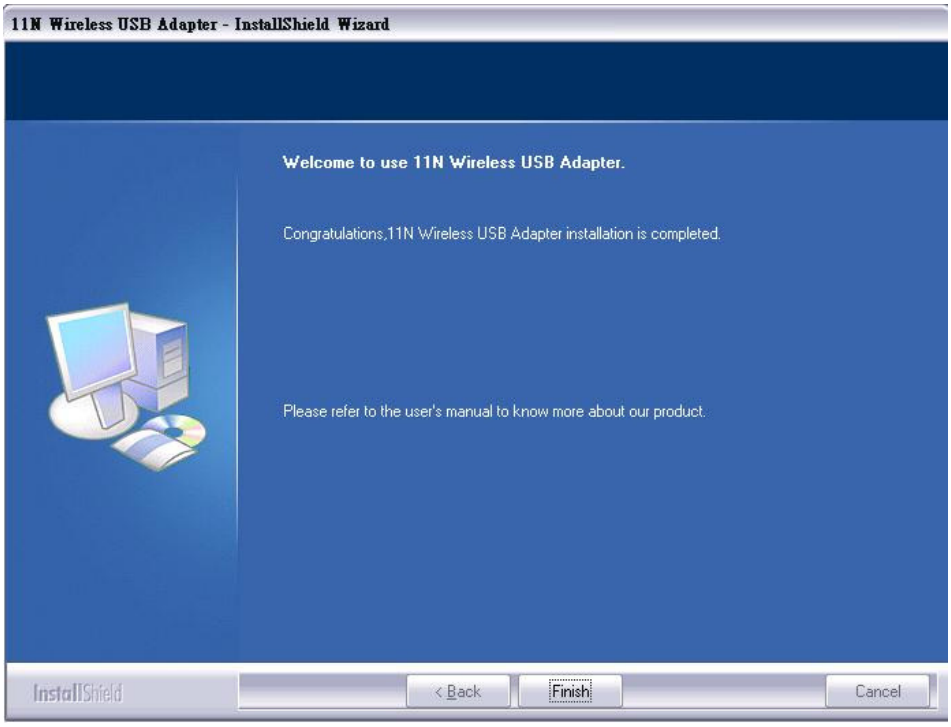
5. Click ***Change...*** to select the path, or click ***Next*** to continue.



6. During the installation, the following dialogue may appear. Click ***Continue Anyway*** to continue.

Hardware Installation
The software you are installing for this hardware:
11N Wireless USB Adapter
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

7. Click ***Finish*** to complete the software installation.


11N Wireless USB Adapter - InstallShield Wizard
Welcome to use 11N Wireless USB Adapter.
Congratulations,11N Wireless USB Adapter installation is completed.
Please refer to the user's manual to know more about our product.
InstallShield
< Back
Finish
Cancel

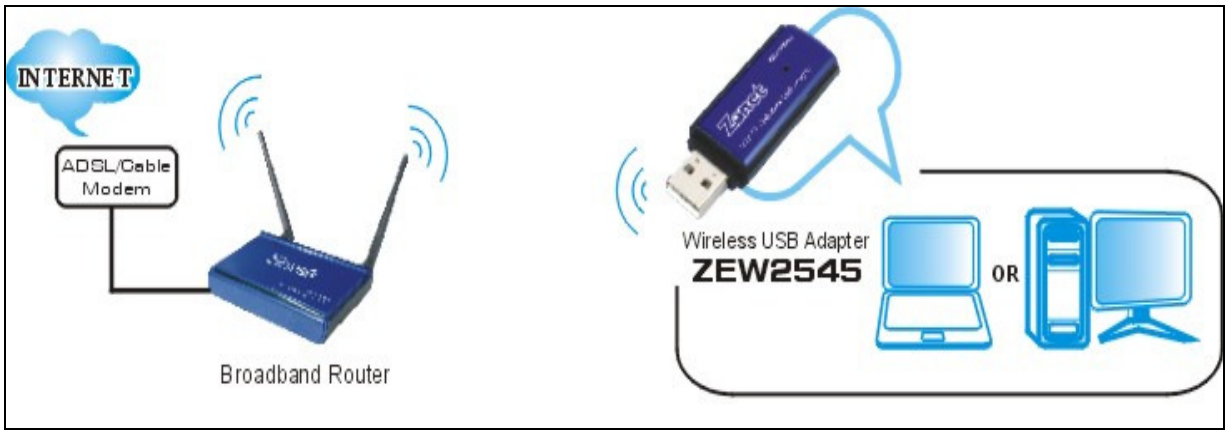
You will see a tray icon appear in your system tray at the bottom of the screen after the software and hardware installation completed successfully.

Chapter 3 Configuration

Double-click the tray icon to launch the configuration utility.

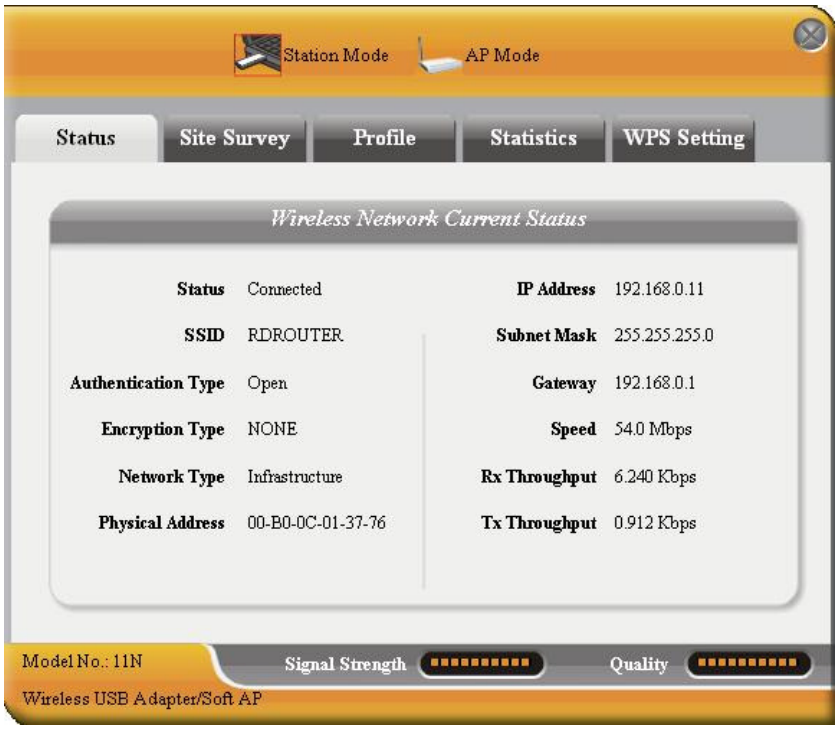
3.1 Station Mode

Station Mode is the default access mode for ZEW2545.
In this mode, ZEW2545 serves as a client to receive the wireless signals to access the Internet.



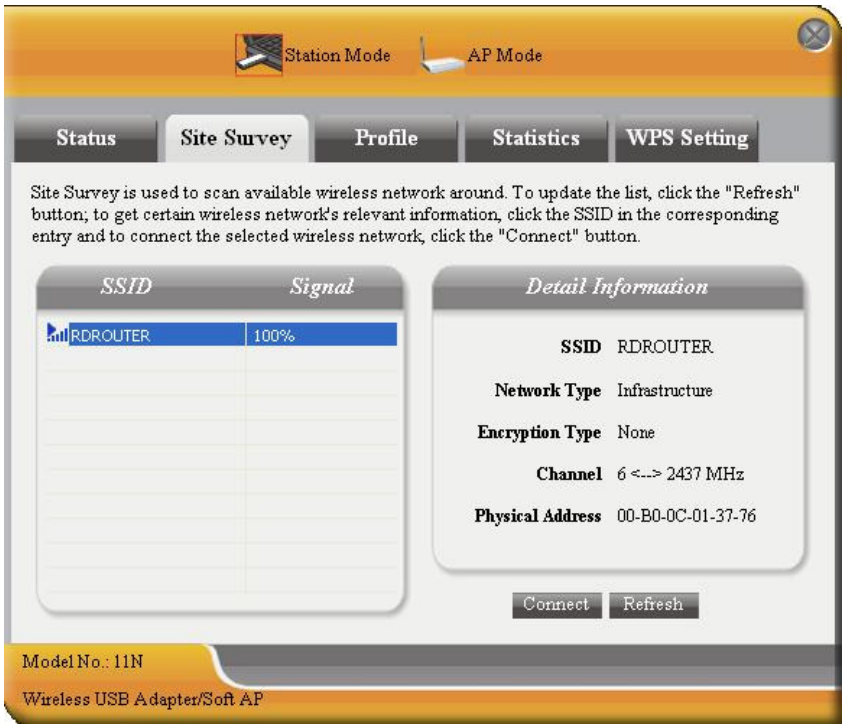
3.1.1 Status

Status tab shows detail information about the current connection.



3.1.2 Site Survey

Under Site Survey tab, you will know information of all surrounding wireless networks from the last scan.
Click ***Refresh*** to update and refresh.



3.1.3 Profile

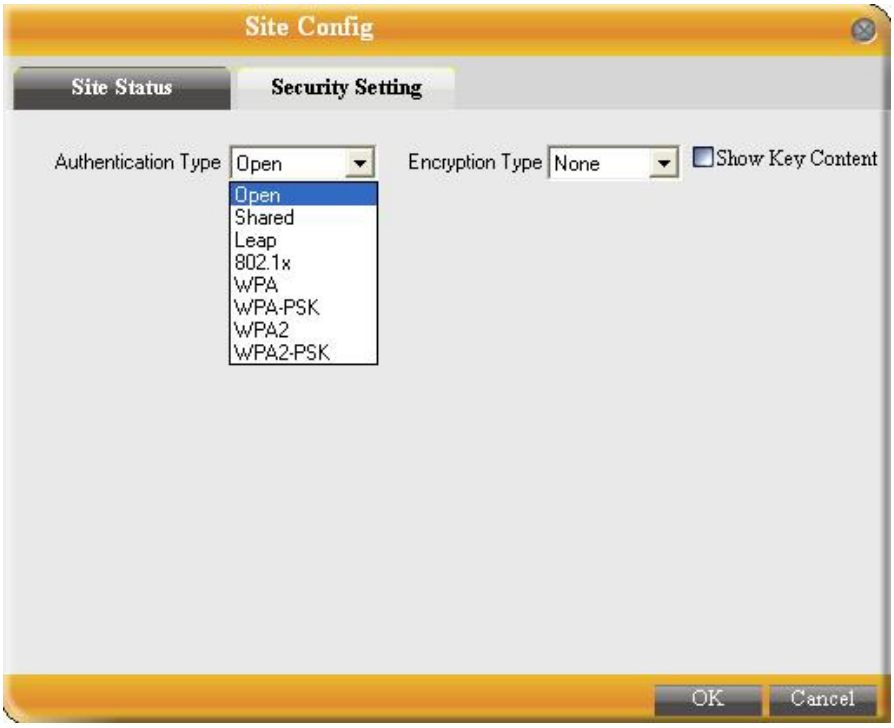
Profile can keep your favorite wireless setting among your home, office, and other public hotspot. You may save multiple profiles and activate the one at your preference.

- **Connect:** to make an existing profile become active and to connect
- **New:** to create a new profile
- **Modify:** to edit/modify/change parameter of an existing profile
- **Delete:** to delete an existing profile

3.1.3.1 Add/Edit Profile

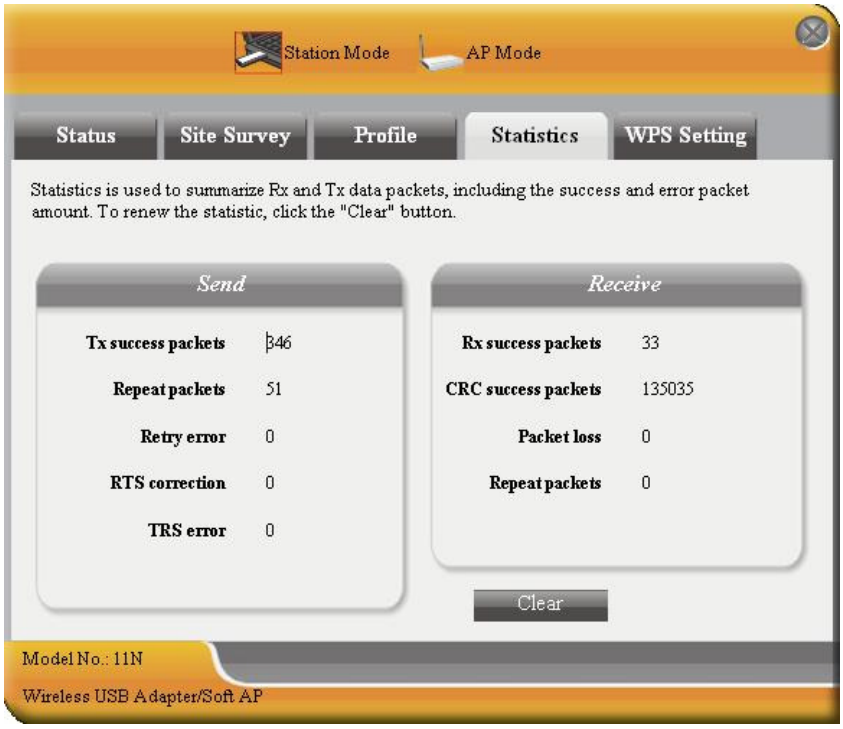
a. Site Status

b. Security Setting



3.1.4 Statistics

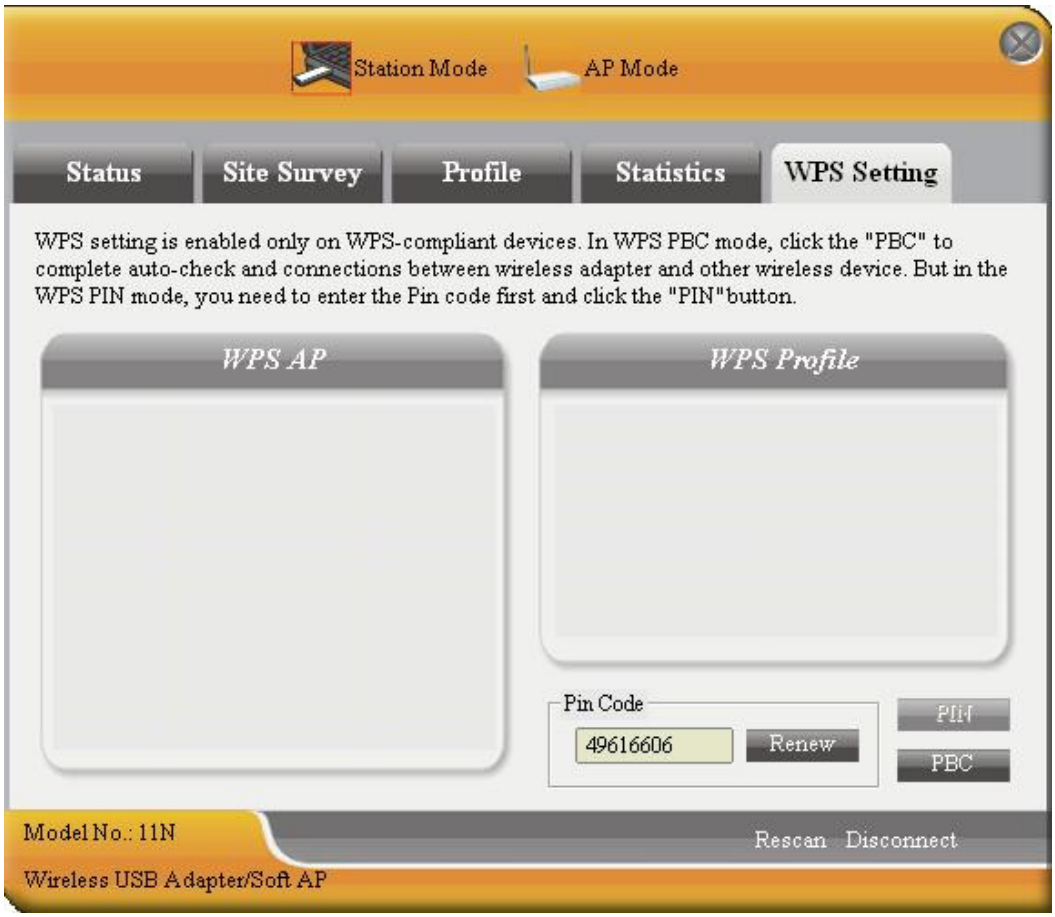
Statistics tab displays the detail counter information based on 802.11 MIB counters. This page translates that MIB counters into a format easier for user to understand.



- **Clear:** to renew the statistics.

3.1.5 WPS Setting

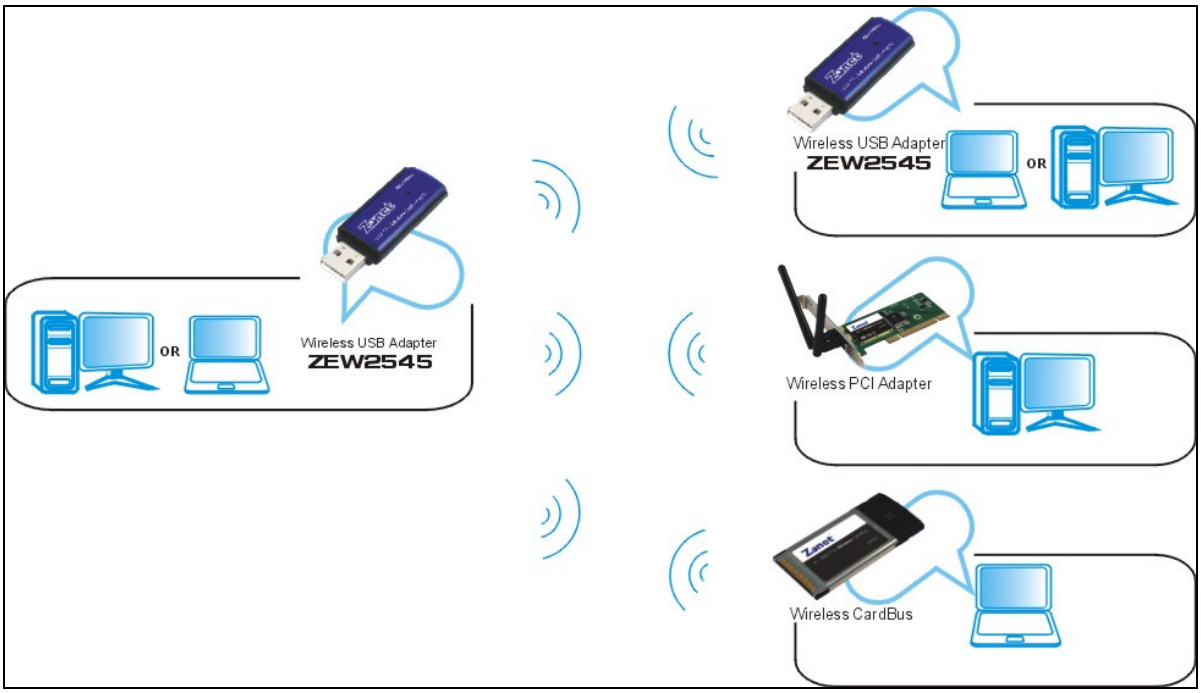
WPS Setting tab supports the configuration setup using PIN configuration method or PBC configuration method.
WPS(Wi-Fi Protected Setup) simplify the security setup and management of Wi-Fi networks.


Station Mode
AP Mode
Status
Site Survey
Profile
Statistics
WPS Setting
WPS setting is enabled only on WPS-compliant devices. In WPS PBC mode, click the "PBC" to complete auto-check and connections between wireless adapter and other wireless device. But in the WPS PIN mode, you need to enter the Pin code first and click the "PIN" button.
WPS AP
WPS Profile
Pin Code
49616606
Renew
PIN
PBC
Model No.: 11N
Rescan
Disconnect
Wireless USB Adapter/Soft AP

- **PIN:** Enter the Pin code and click ***PIN*** to automatically connect ZEW2545 with wireless devices around.
- **PBC:** Click ***PBC*** to complete auto-check and connections between ZEW2545 and other wireless device.
- **Renew:** Click to update the Pin code.
- **Rescan:** Update information on surrounding wireless network.
- **Connect:** click to connect the WPS wireless network.
- **Disconnect:** to disconnect the connected wireless network.

3.2 AP Mode

The device also can serve as an access point to transmit wireless signals and create wireless network, allowing other wireless clients to access the network.

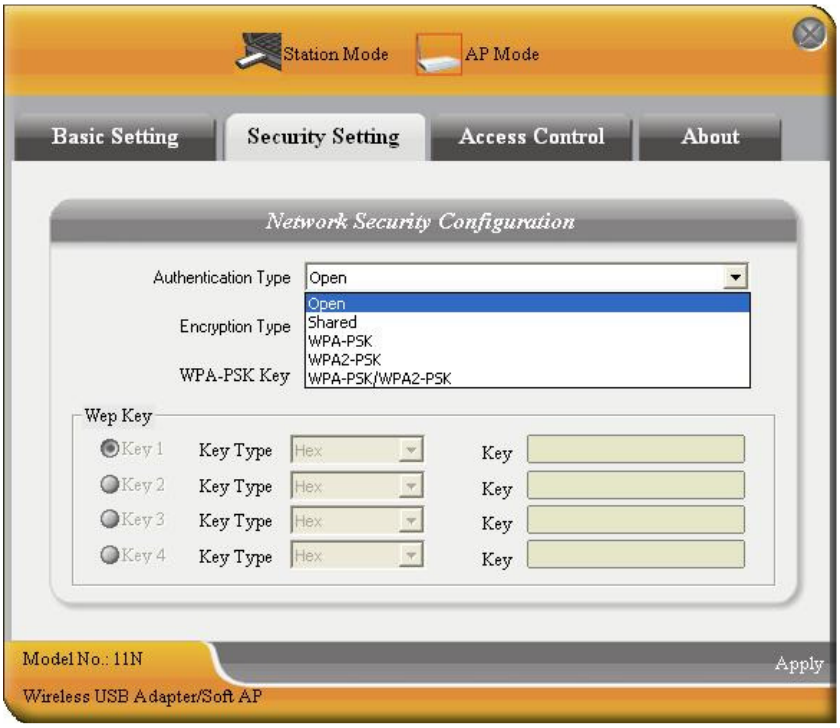


3.2.1 Basic Setting

Basic Setting tab configure the AP's basic parameters, including SSID, Wireless Mode and Channel.

3.2.2 Security Setting

Use Security Setting tab to make different security configurations of wireless communication, and you can choose the authentication type or encryption type.

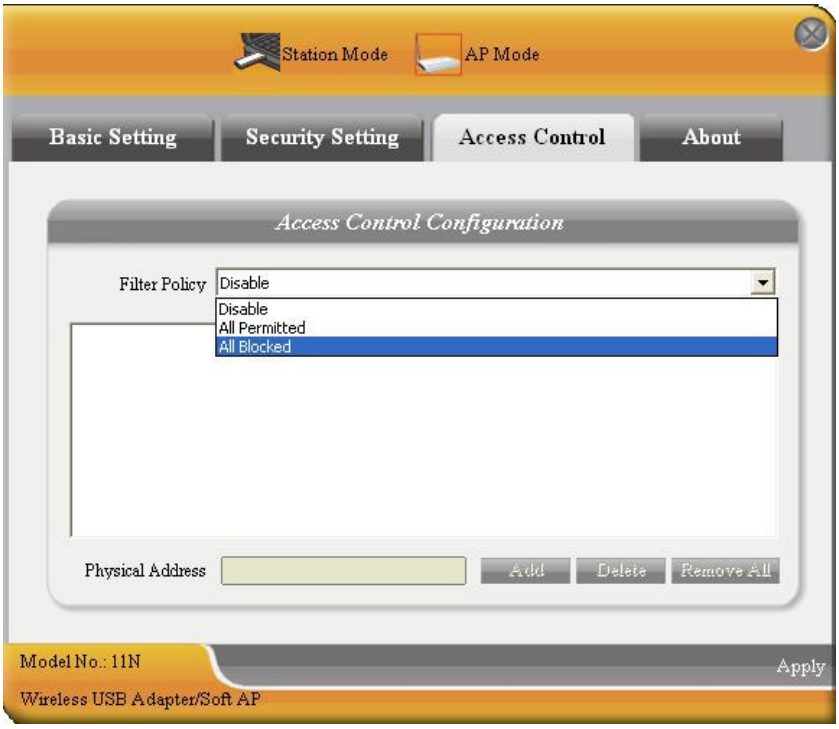


Note:

1. The Hex characters include 0~9 numbers and a~f letters.
2. ASCII characters include any numbers/letters and characters.

3.2.3 Access Control

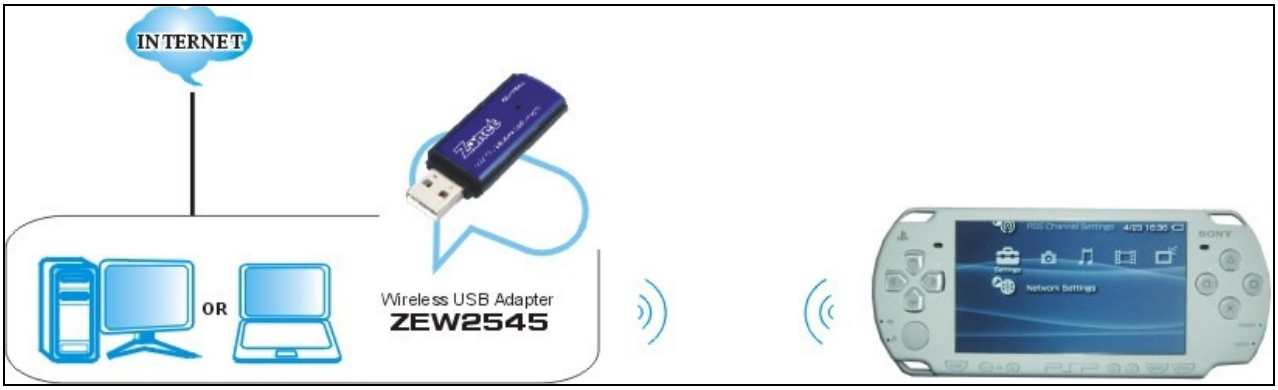
Choose Access Control tab to start MAC control. Access control includes **All Permitted** and **All Blocked**. After editing the MAC address access list, only the MAC in the Allow All list could access ZEW2545.



3.2.4 About

About tab displays the information about ZEW2545.

Chapter 4 How to connect with PSP

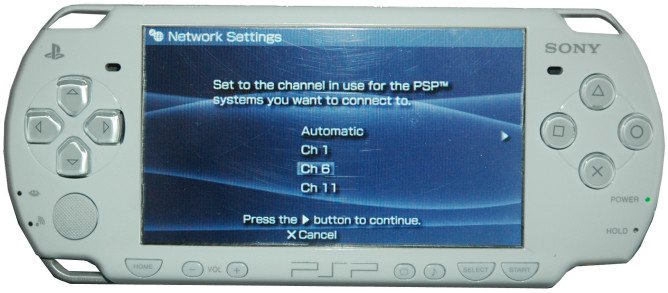


4.1 Configure PSP with Ad-Hoc mode

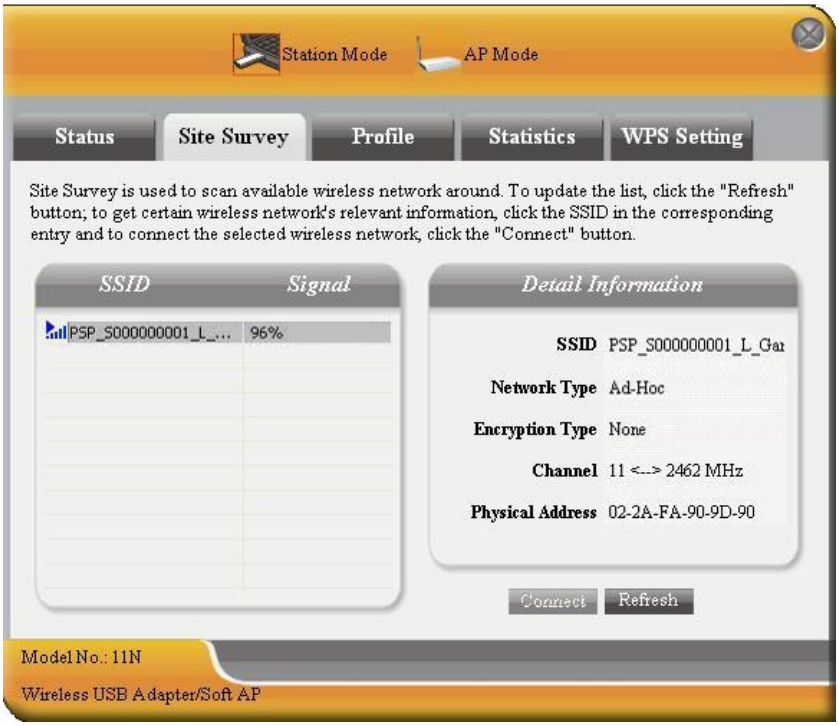
a. Select Network Settings on PSP

b. Select Ad-Hoc mode on PSP

c. Select Channel on PSP



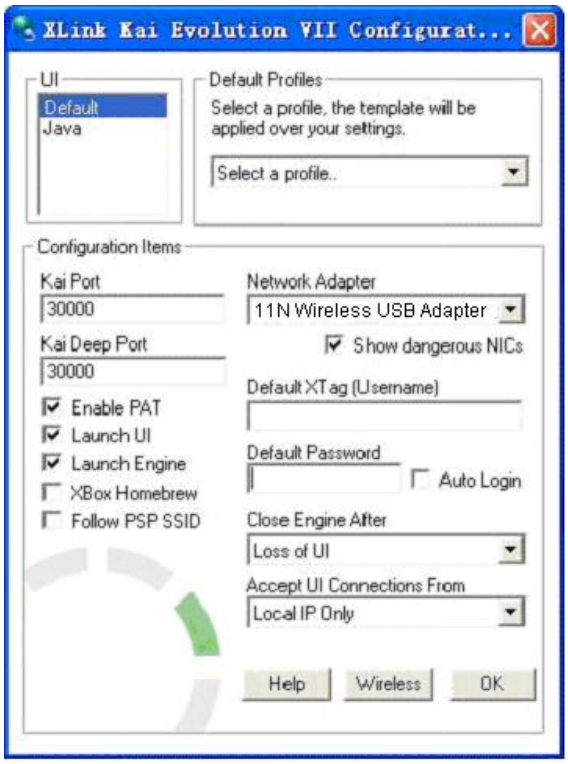
d. Scan PSP in ZEW2545 Utility Interface and click ***Connect*** to connect the wireless network.



e. In Site Survey check ***enable PSP connection mode*** checkbox.

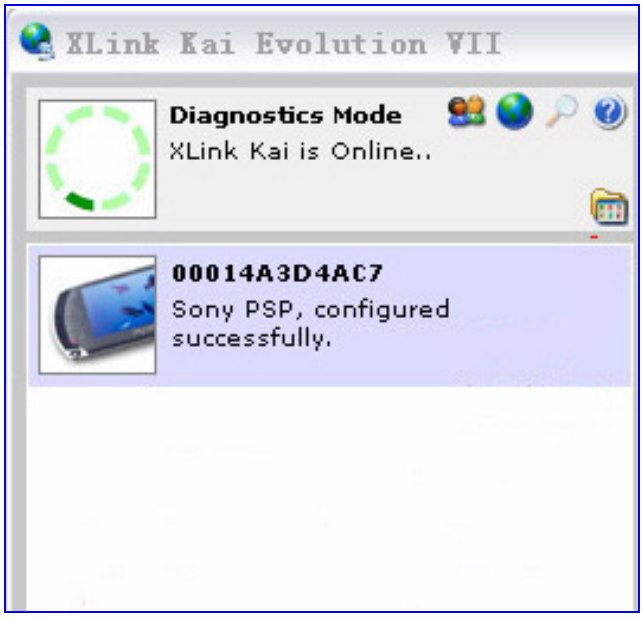
4.2 Configure Xlink Kai

Select ***Start → All programs → Xlink Kai Evolution VII → Start Kai Config*** to configure the user name, password and other parameters.



Login Xlink Kai

Select ***Start → All programs → Xlink Kai Evolution VII*** → ***Start Kai***. PSP will connect with Xlink Kai automatically. The following window will indicate the connection is established well now.



Chapter 5 Product Specifications

Specifications:

Standards		IEEE 802.11n(Draft 2.0), IEEE 802.11g, IEEE 802.11b
Interface		USB2.0
OS		Windows 2000/ XP/ Vista
Frequency Range		2.412GHz~2.484GHz
Maximum Output Power		18dbm
Input Voltage Range (VAC)		5V
Output Voltage Range(VDC)		1.5V/3.3V
Max. Consumption		0.6W
Antenna type		printed antenna
Channels:		11 Channels (USA, Canada) 13 Channels (Europe) 14 Channels (Japan)
Operating Temperature		0ºC ~ 40ºC
Storage Temperature		-40ºC~70ºC
Operating Humidity		10%~ 90% RH Non-condensing
Storage Humidity		5% ~ 90% RH Non-condensing
Dimension(L x W x H)		62.5 x 19 x 7.9 mm
Weight		9.2g
speed	11b	11 Mbps/5.5 Mbps/2 Mbps/1 Mbps
	11g	54 Mbps/48 Mbps/36 Mbps /24 Mbps/18 Mbps/ 12 Mbps/9 Mbps/6 Mbps
	11n	**40MHz:**130Mbps/117Mbps/104Mbp/78Mbp/52Mbp/ 39Mbp/26Mbp/13Mbp **20MHz:**65Mbp/58.5Mbp/52Mbp/39Mbp/26Mbp/ 19.5Mbp/13Mbp/6.5Mbp